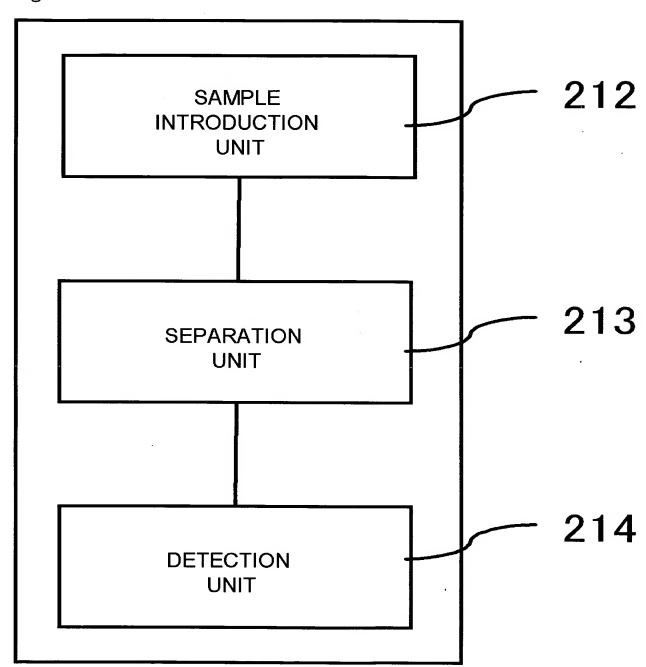
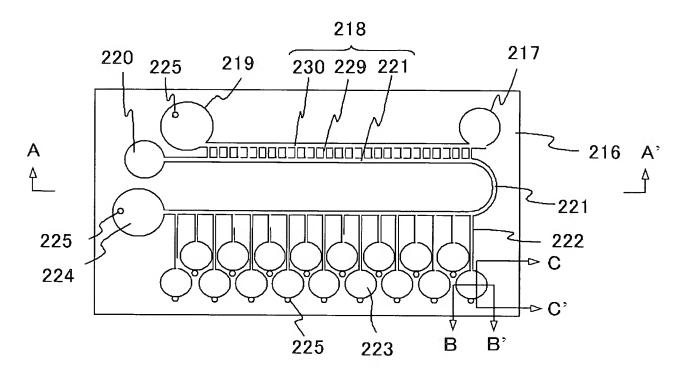
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Fig.1



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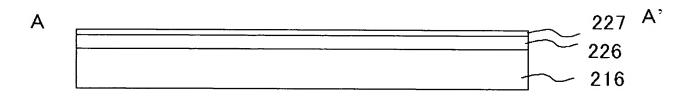
Fig.2



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Fig.3

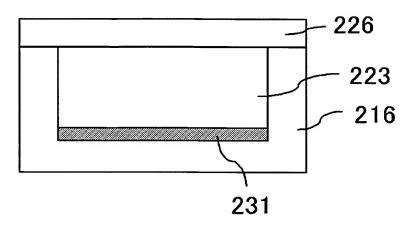


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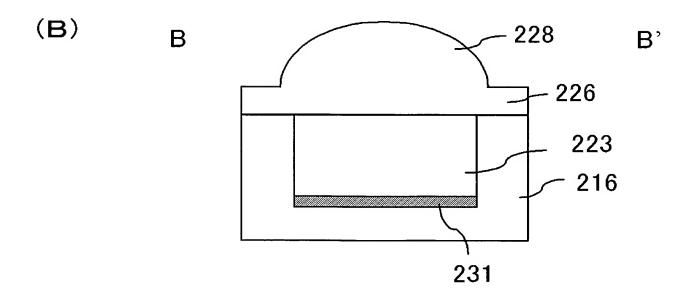
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Fig.4

(A) B



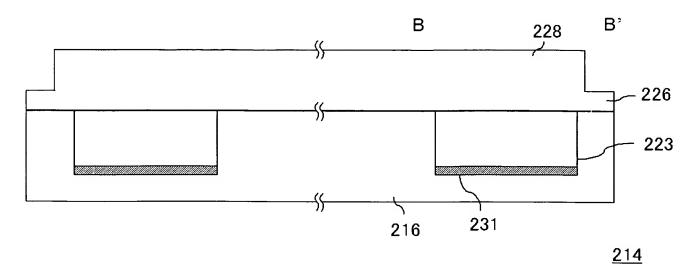
<u>214</u>



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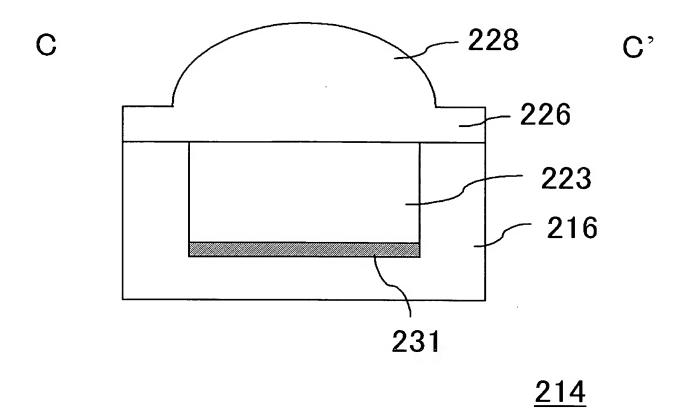
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Fig.5



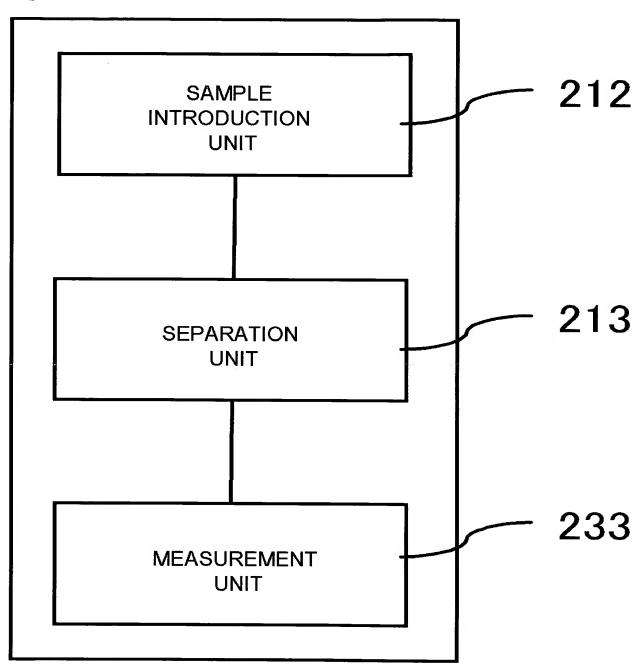
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Fig.6



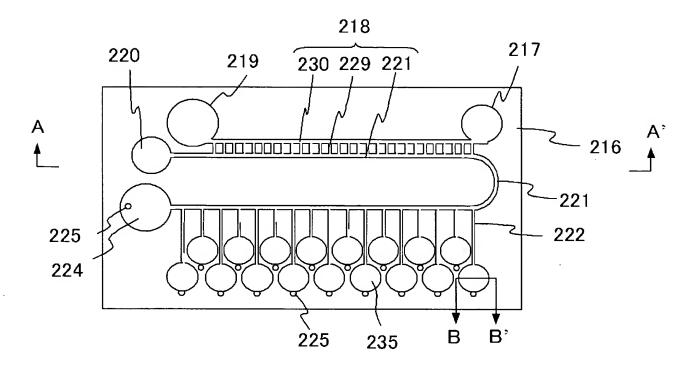
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Fig.7



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Fig.8



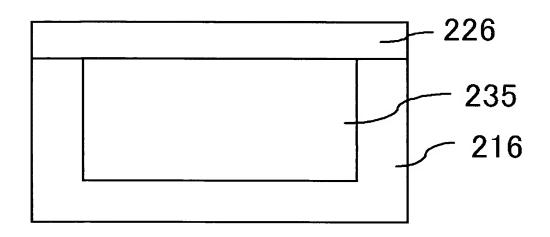
<u>234</u>

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Fig.9

B B'

. . .

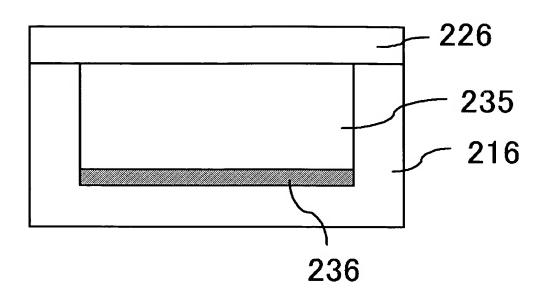


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Fig.10

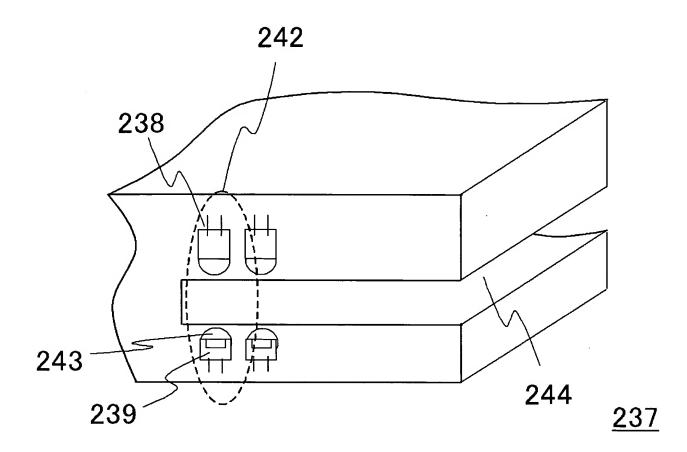
B B'



<u>233</u>

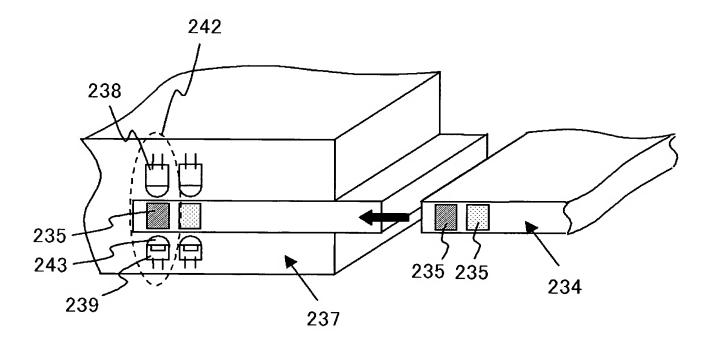
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Fig.11



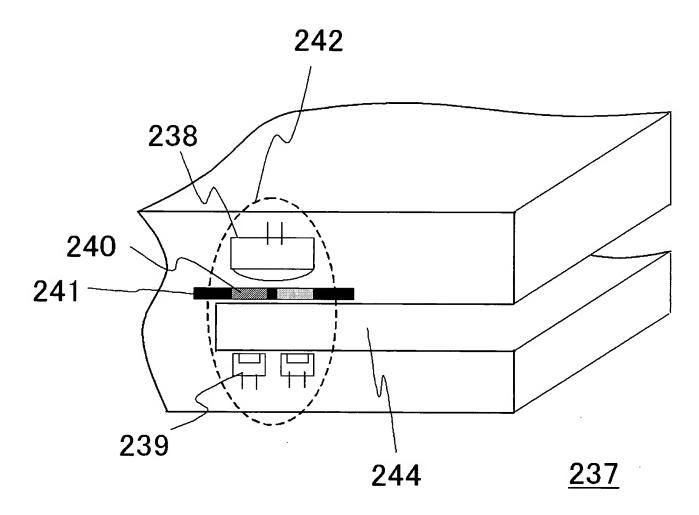
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Fig.12



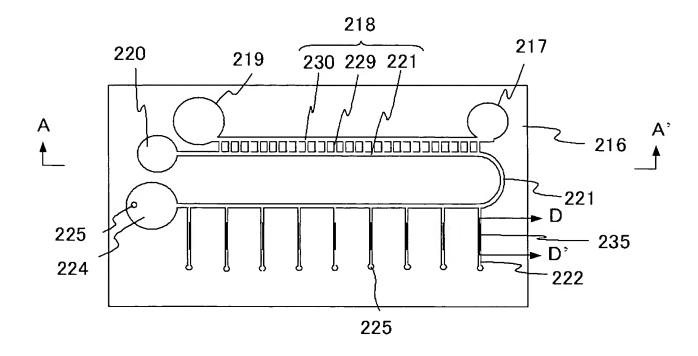
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Fig.13



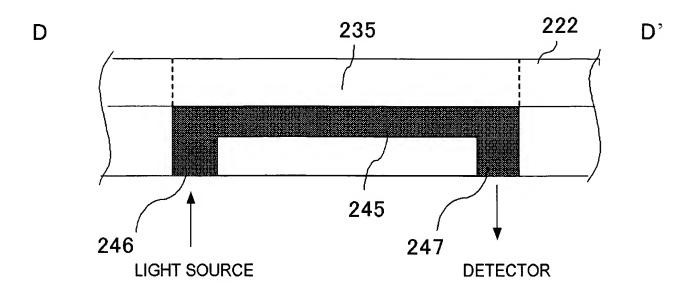
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Fig.14



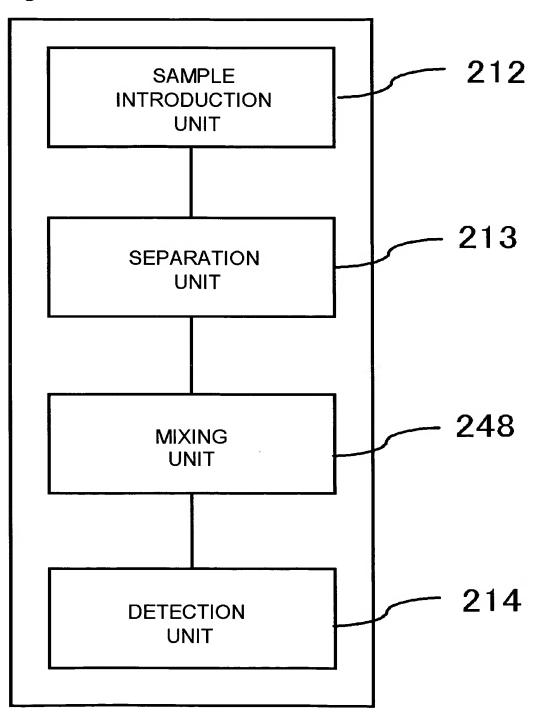
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Fig.15



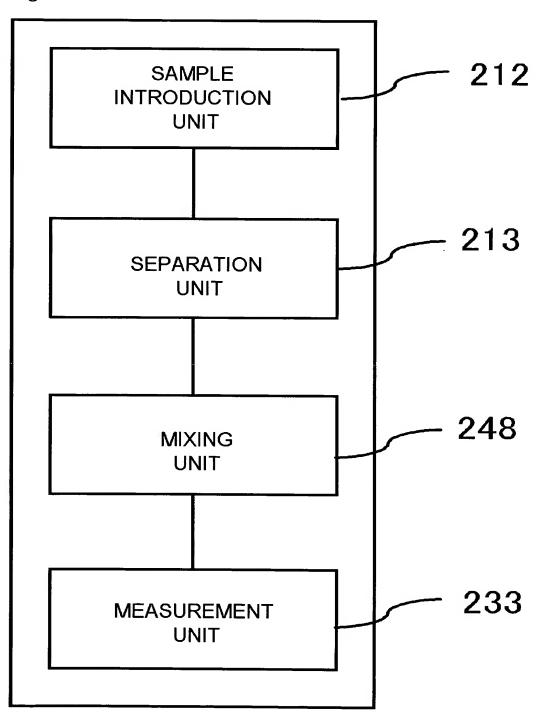
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Fig.16



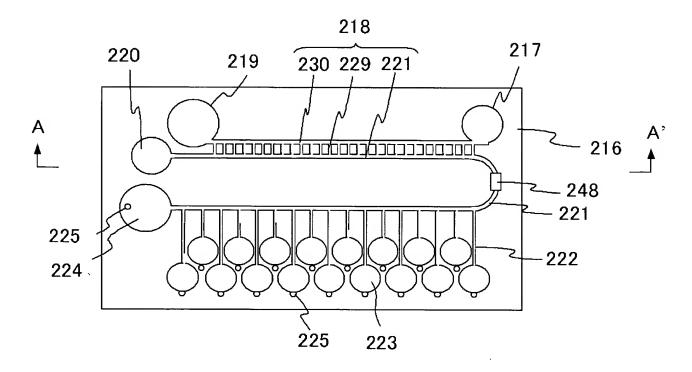
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Fig.17



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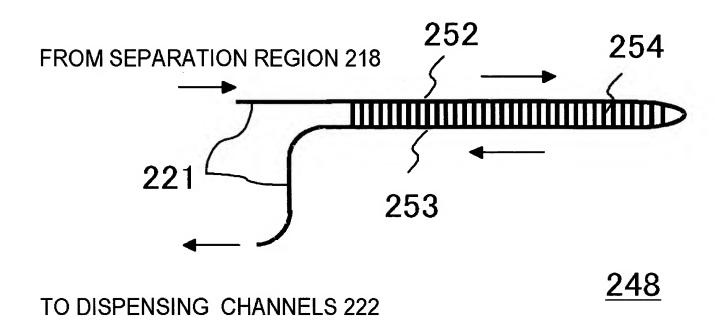
Fig.18



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Fig.19

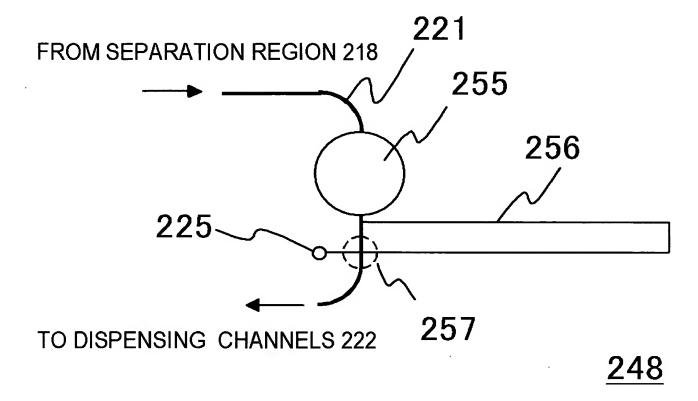


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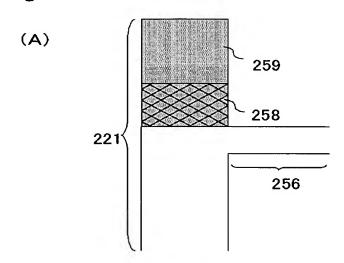
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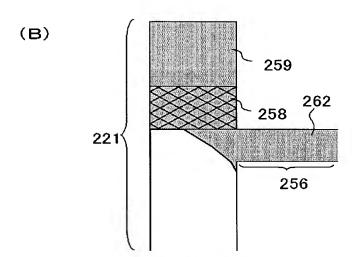
Fig.20

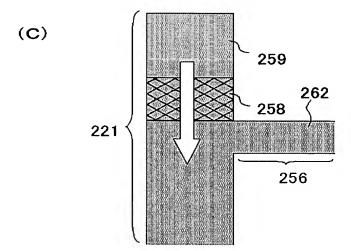


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Fig.21

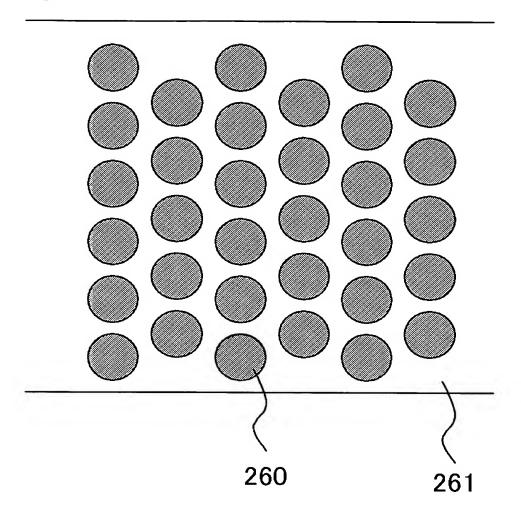






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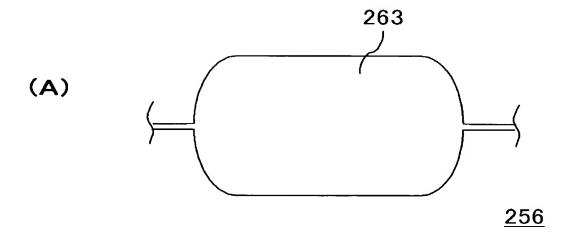
Fig.22

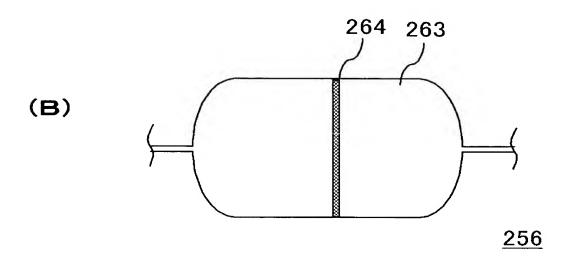


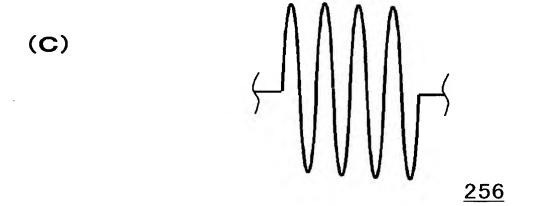
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Fig.23

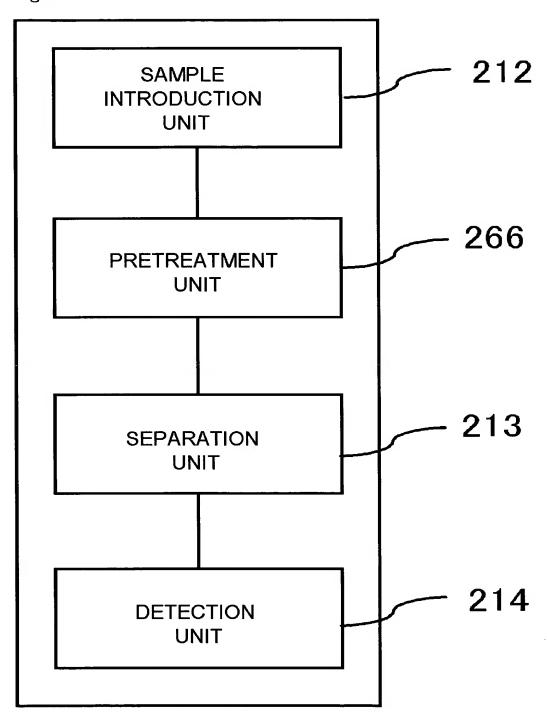






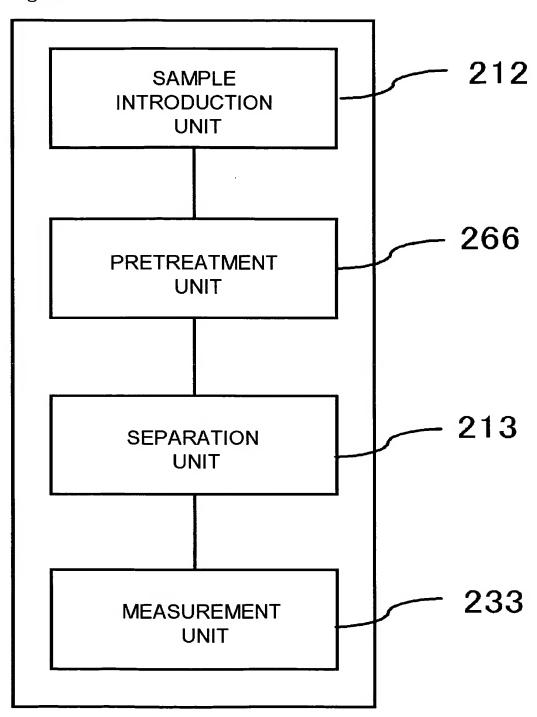
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Fig.24



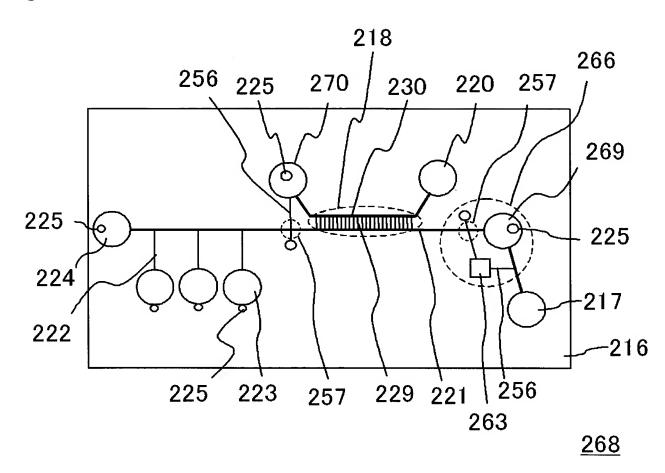
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Fig.25



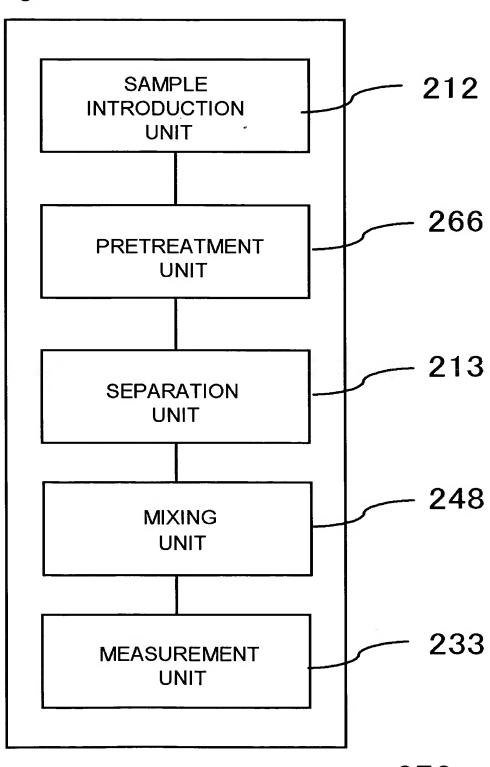
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Fig.26



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Fig.28



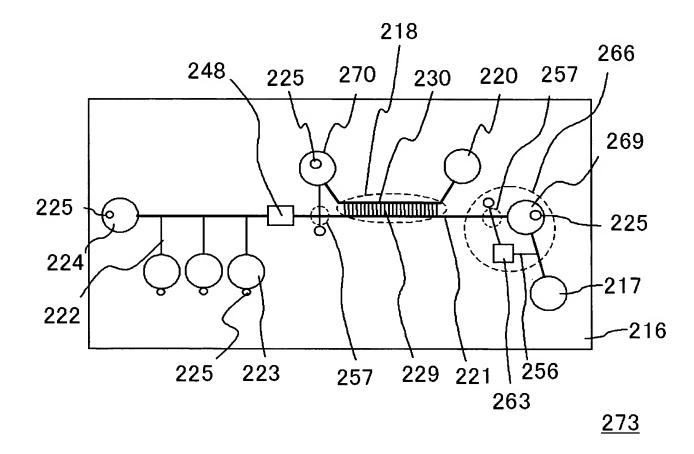
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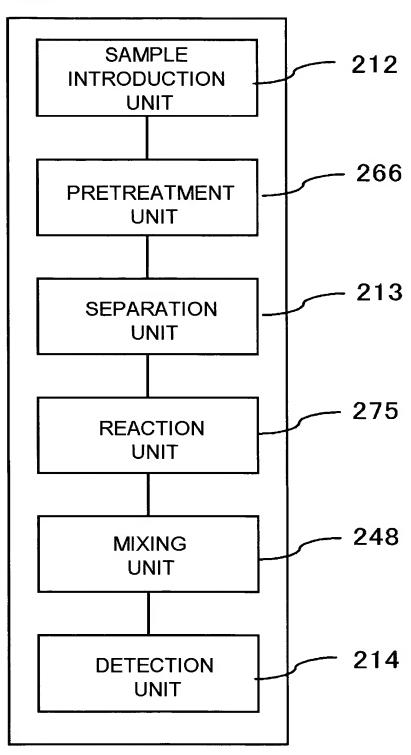
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Fig.29



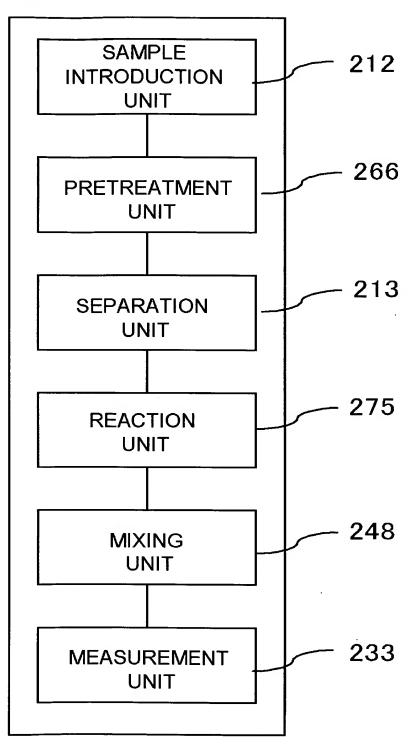
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Fig.30



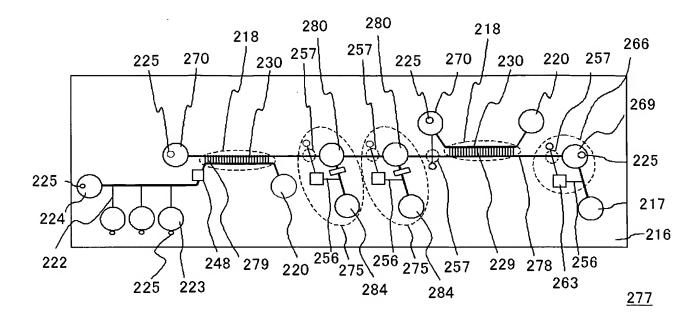
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Fig.31



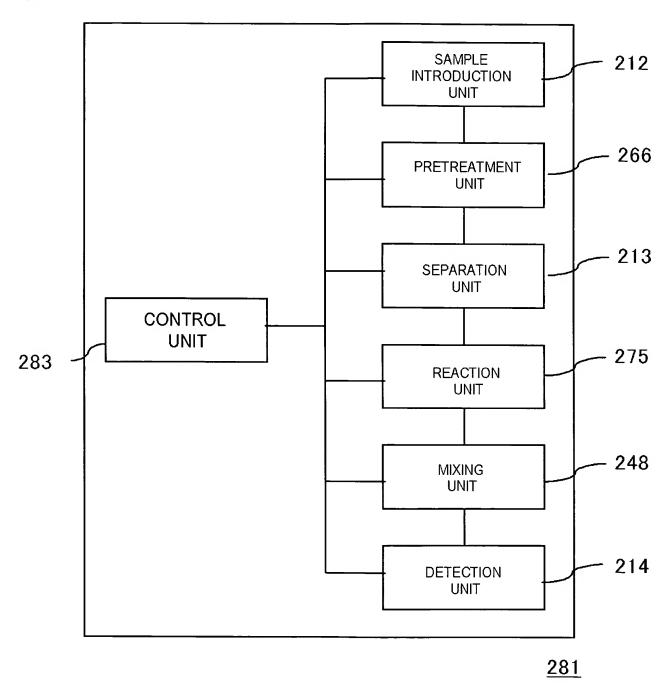
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Fig.32



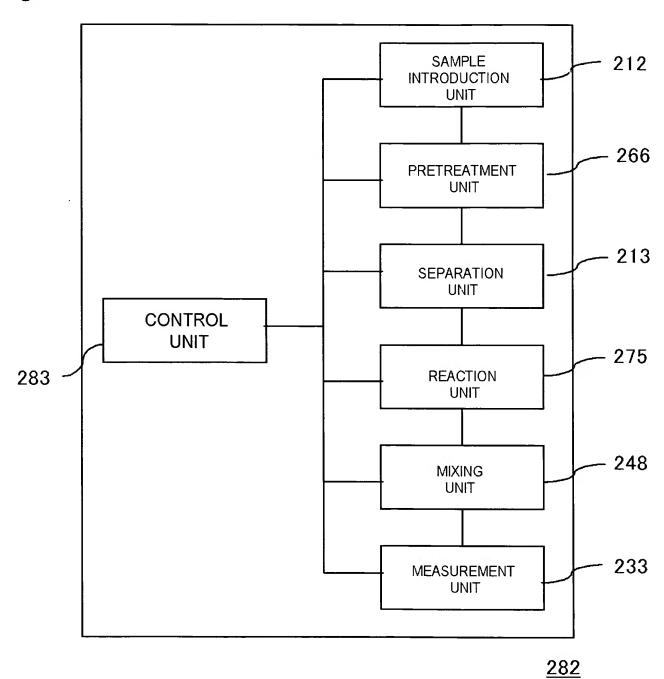
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Fig.33



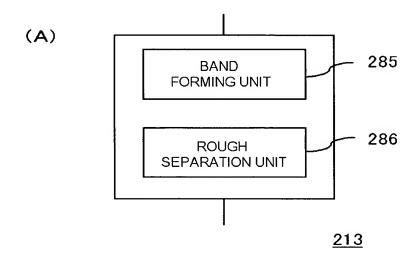
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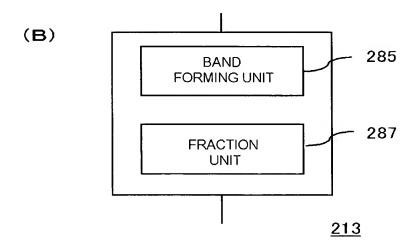
Fig.34

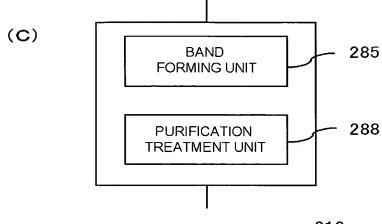


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Fig.35

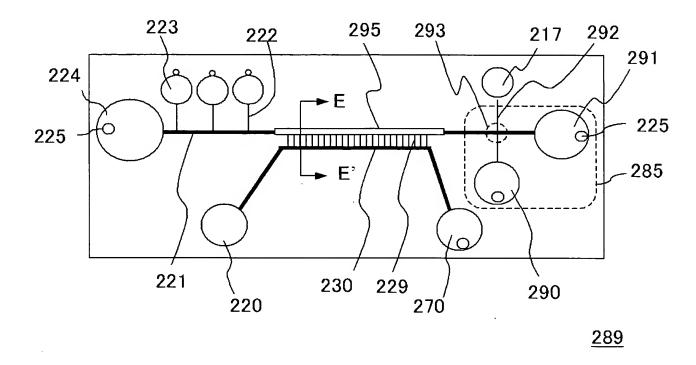






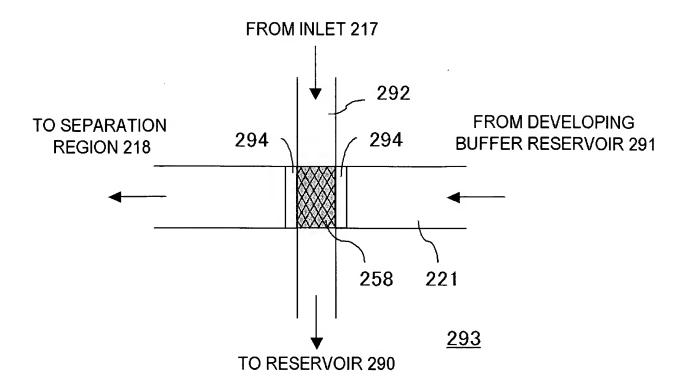
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Fig.36



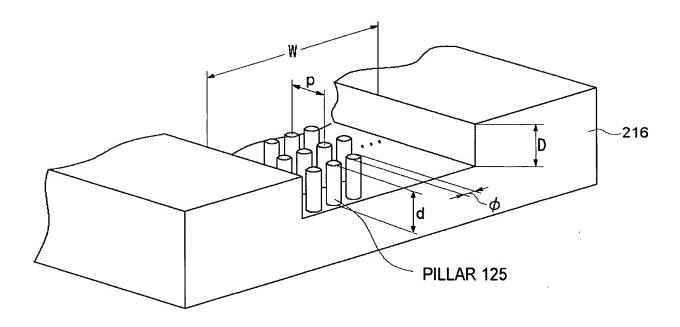
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Fig.37



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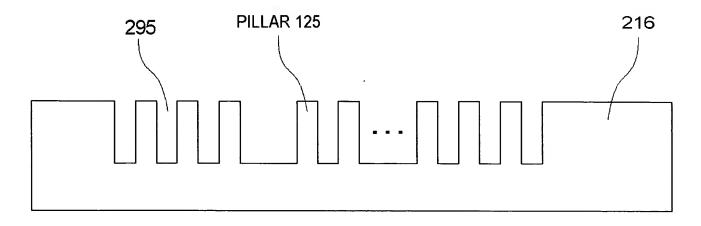
Fig.38



| W | 10 ~ 2000 μm | |
|---|------------------------|--|
| D | 50 nm $\sim 3 \mu$ m | |
| φ | 10 ~ 100nm | |
| d | 10 nm ~ 3 μ m | |
| р | 1 nm ∼ 10 µ m | |

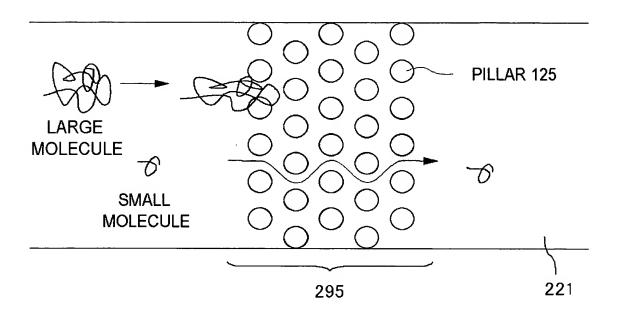
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Fig.39



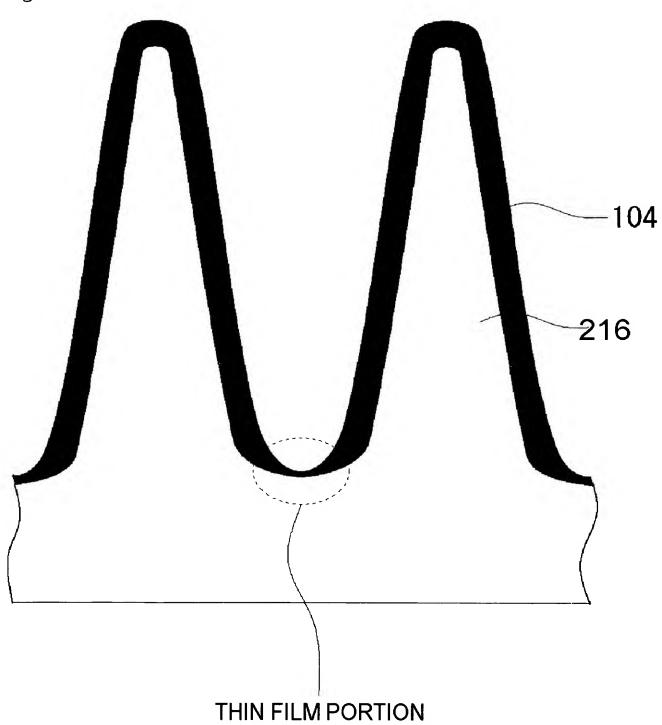
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Fig.40



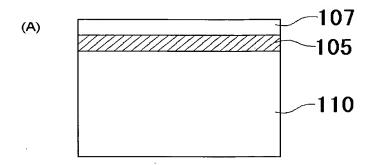
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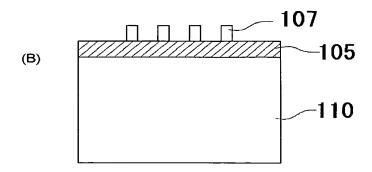
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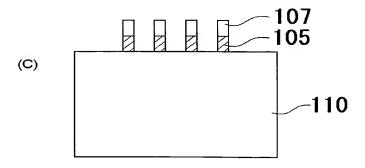


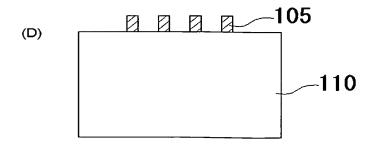
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Fig.42



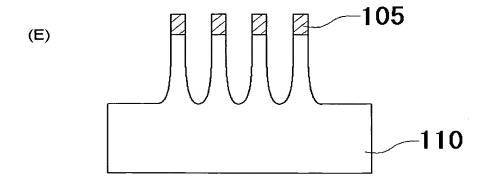


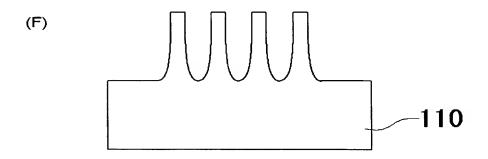


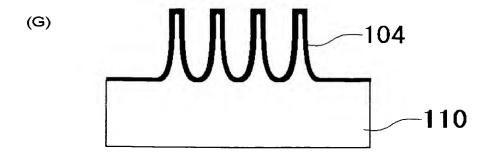


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Fig.43

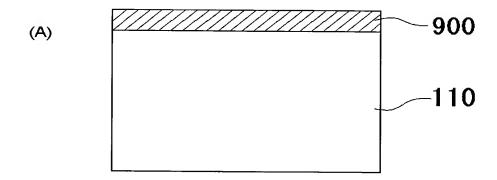


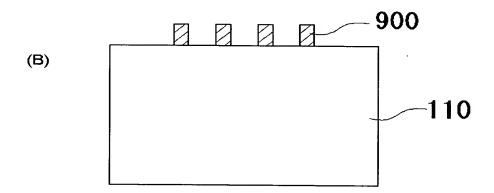


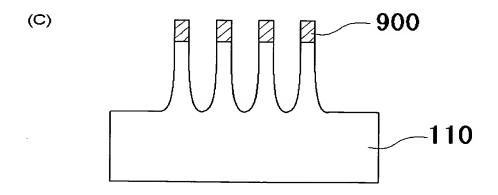


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Fig.44

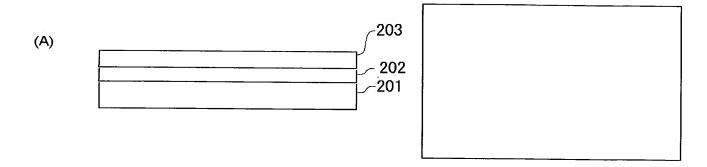


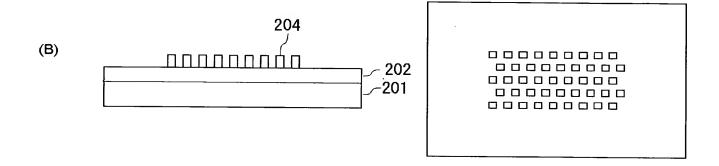


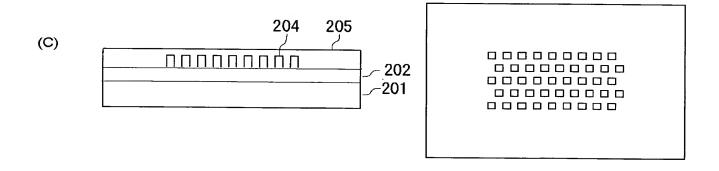


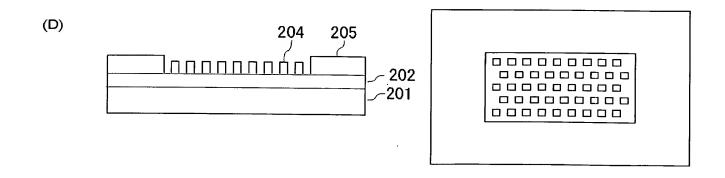
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Fig.45



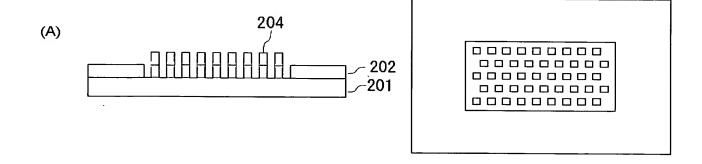


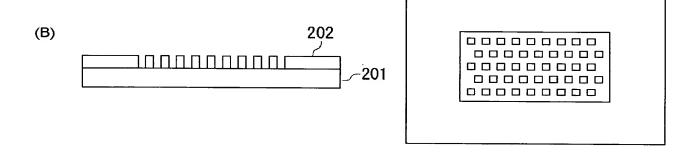


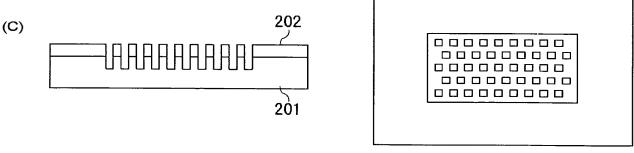


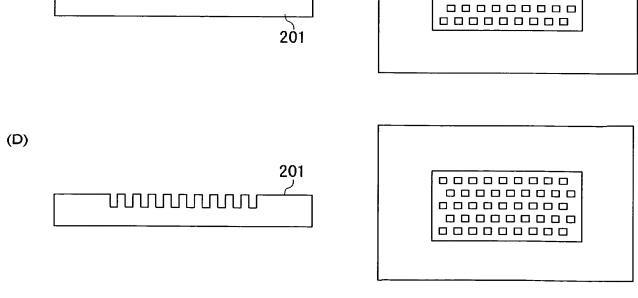
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Fig.46



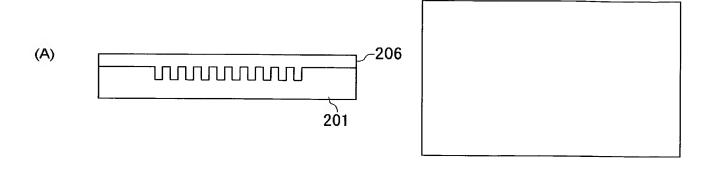


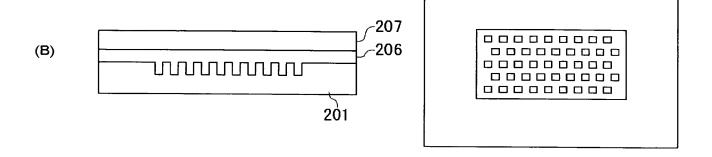


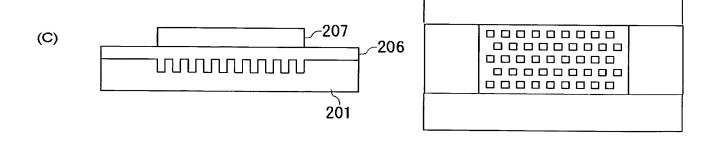


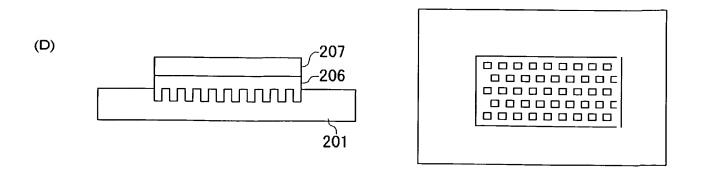
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Fig.47



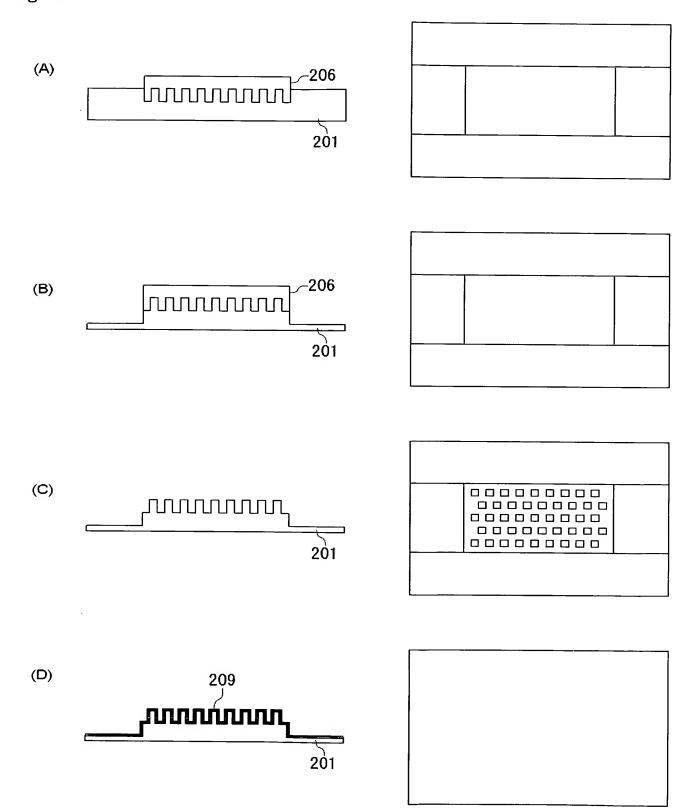






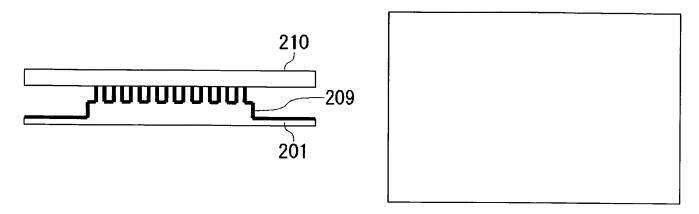
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Fig.48



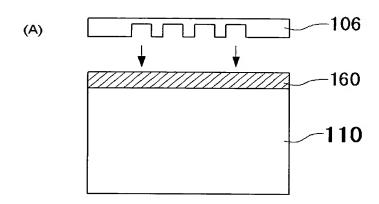
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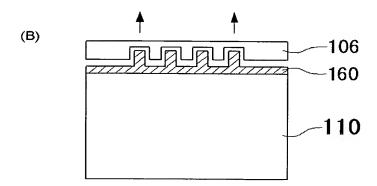
Fig.49

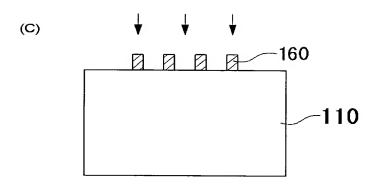


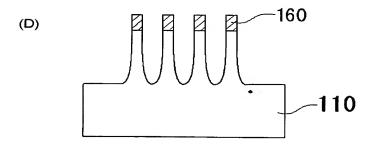
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Fig.50



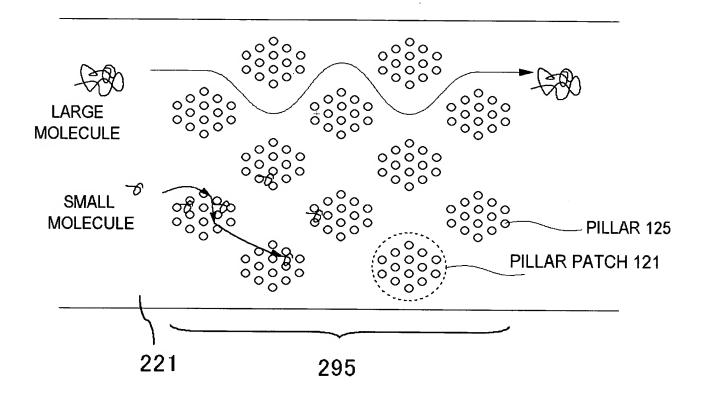






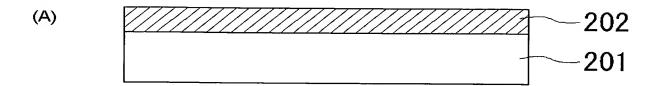
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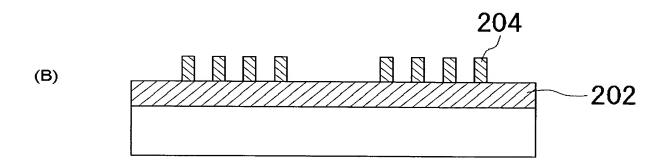
Fig.51

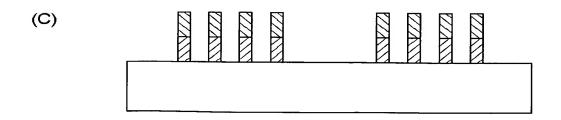


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Fig.52

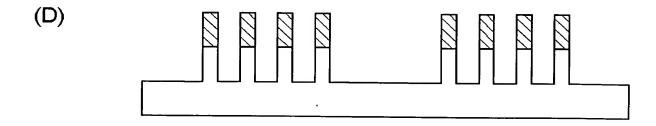


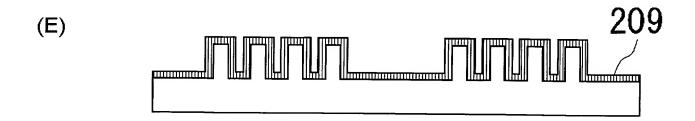




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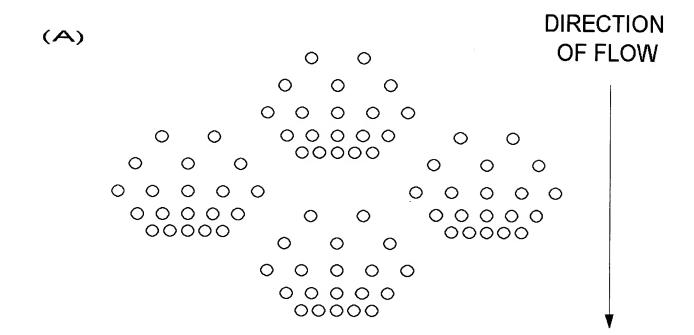
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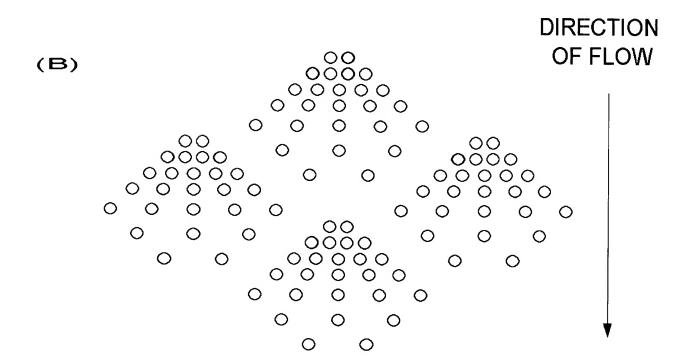




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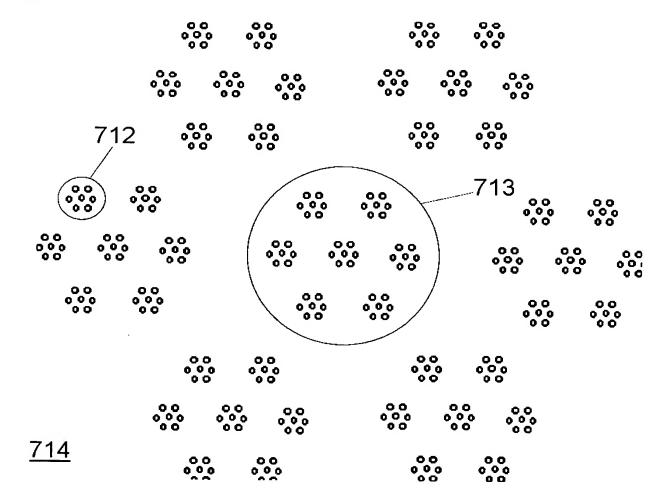
Fig.54





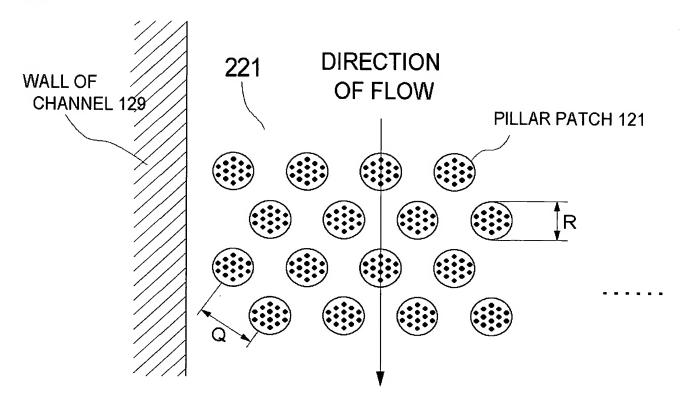
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Fig.55



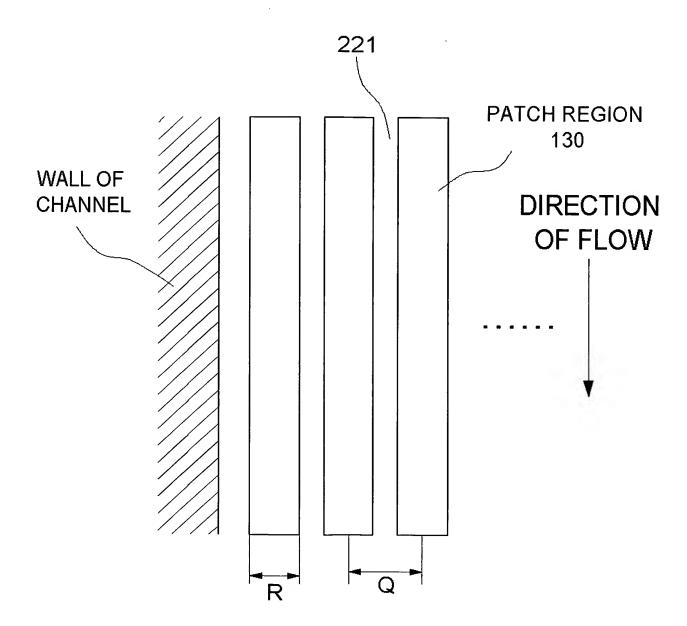
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Fig.56



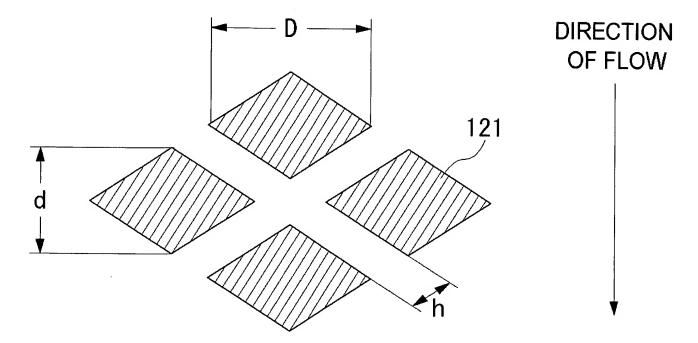
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Fig.57



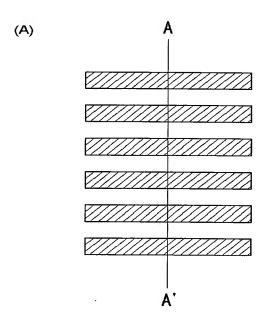
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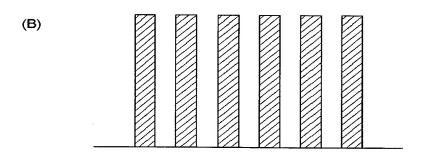
Fig.58

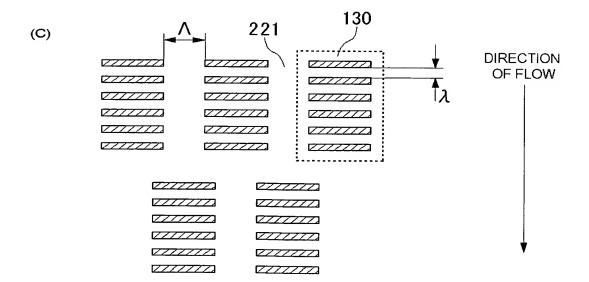


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Fig.59

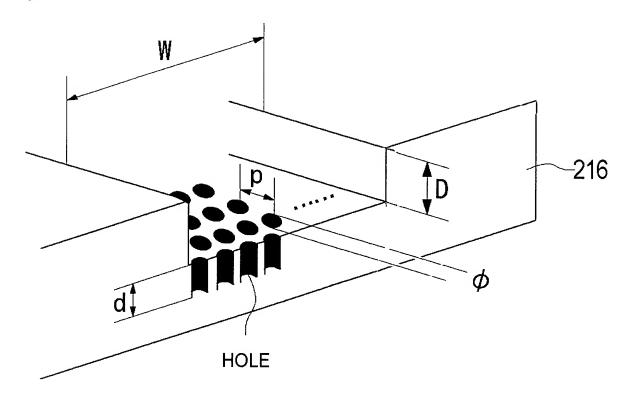






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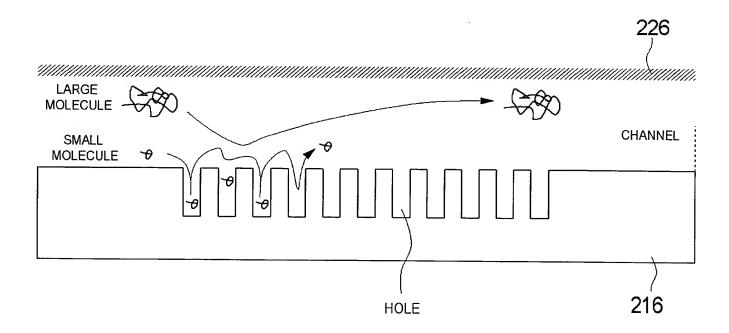
Fig.60



| | CASE OF SMALL PARTICLES | CASE OF LARGE PARTICLES |
|---|----------------------------|----------------------------|
| W | 10 \sim 2000 μ m | |
| D | 100nm or Less | $3\mu\mathrm{m}$ orless |
| Φ | 50nm OR LESS | 300nm ORLESS |
| d | 100nm OR LESS | $3\mu\mathrm{m}$ OR LESS |
| р | 50nm or less | 300nm ORLESS |

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Fig.61

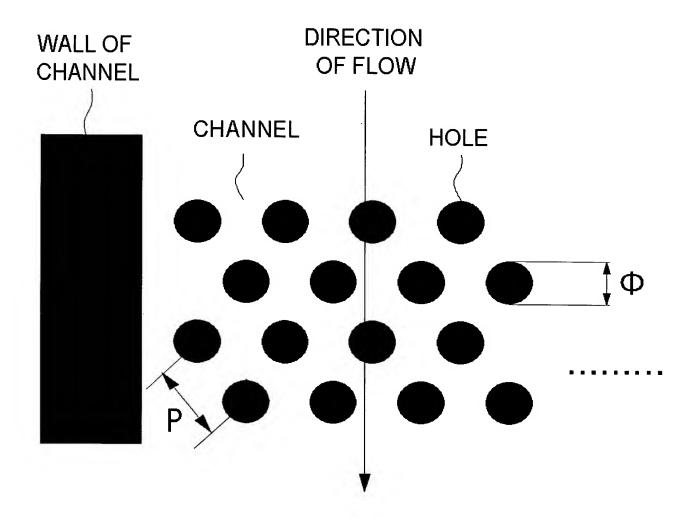


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Fig.62

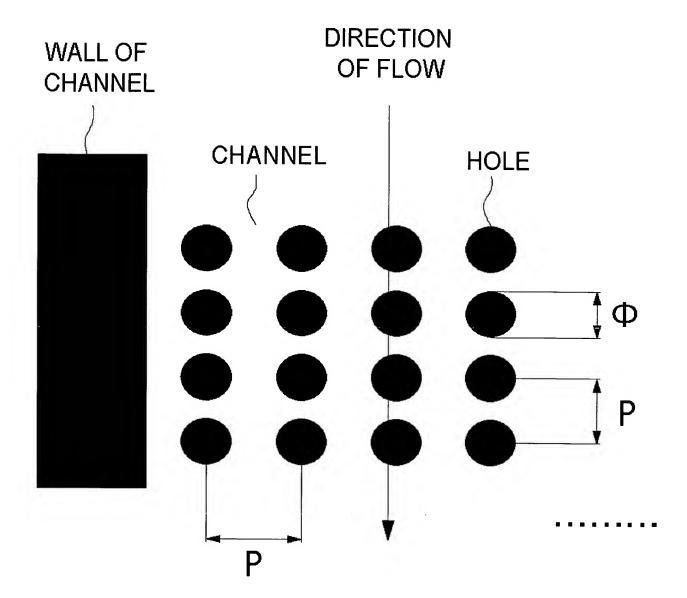


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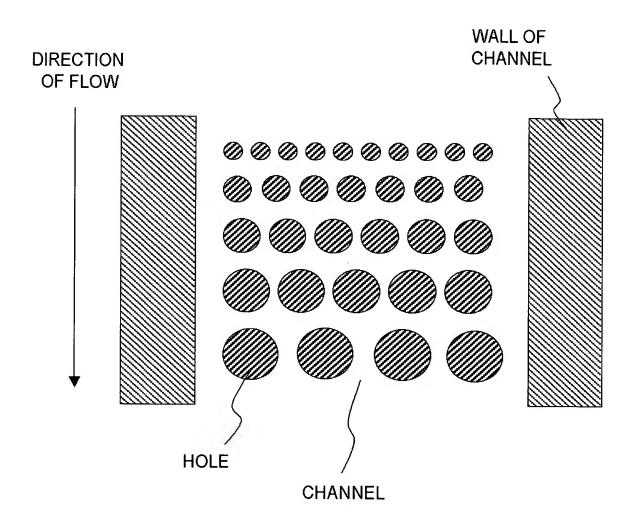
Fig.63



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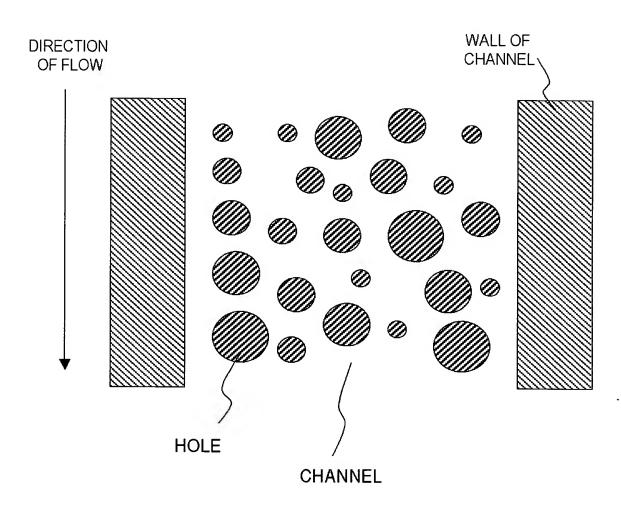
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Fig.64



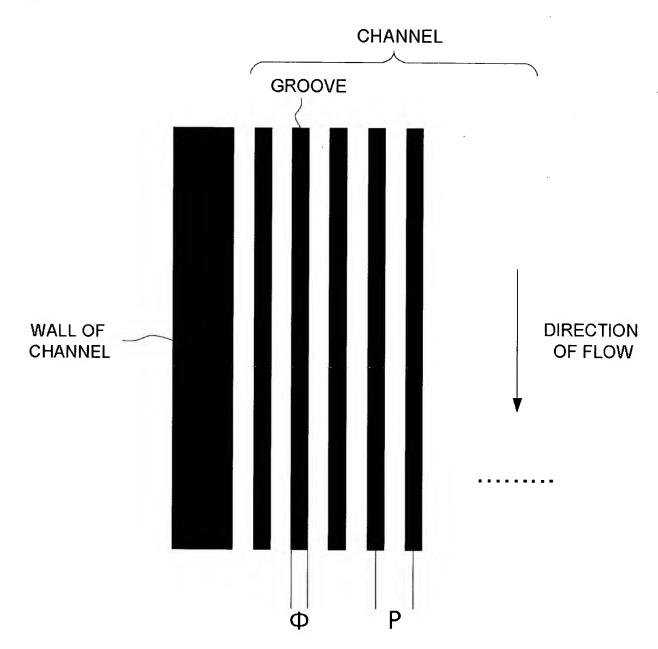
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Fig.65



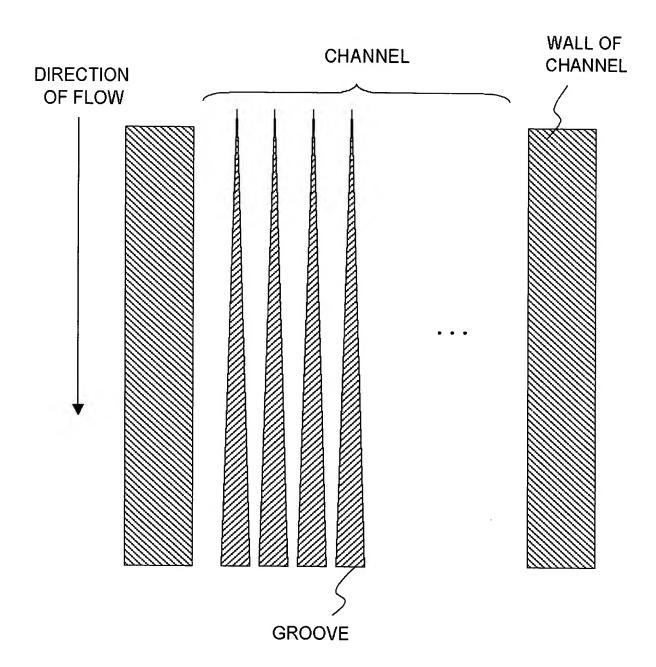
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Fig.66



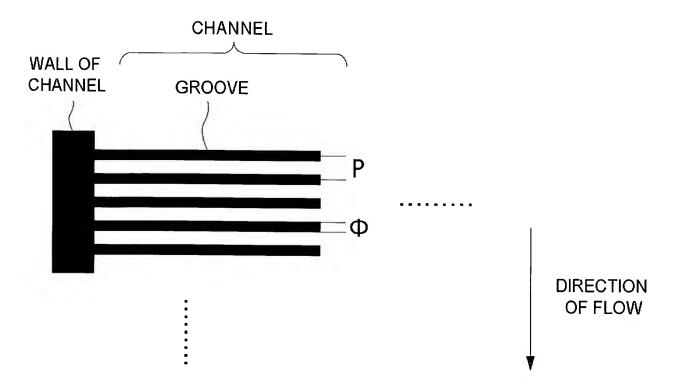
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Fig.67



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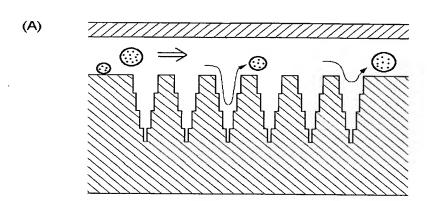
Fig.68

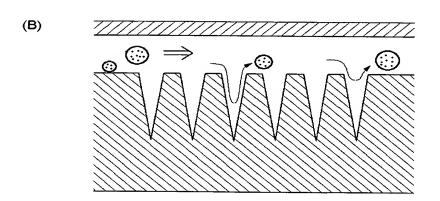


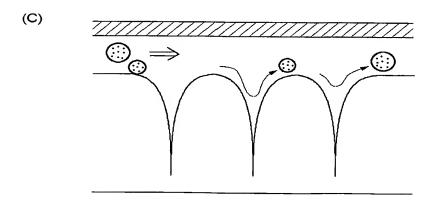
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Fig.69

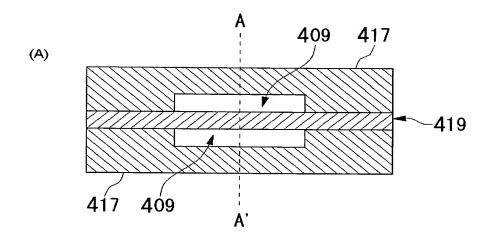


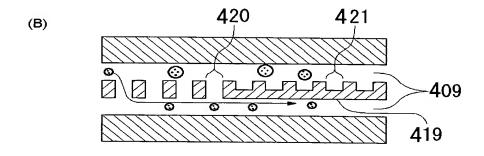


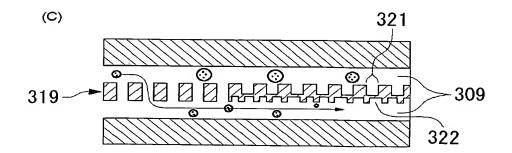


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Fig.70

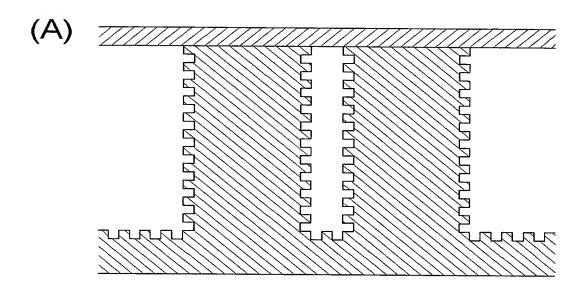




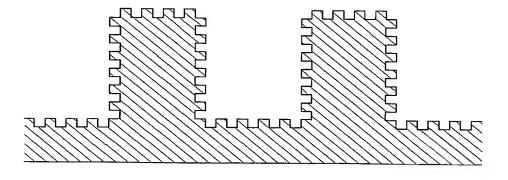


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Fig.71

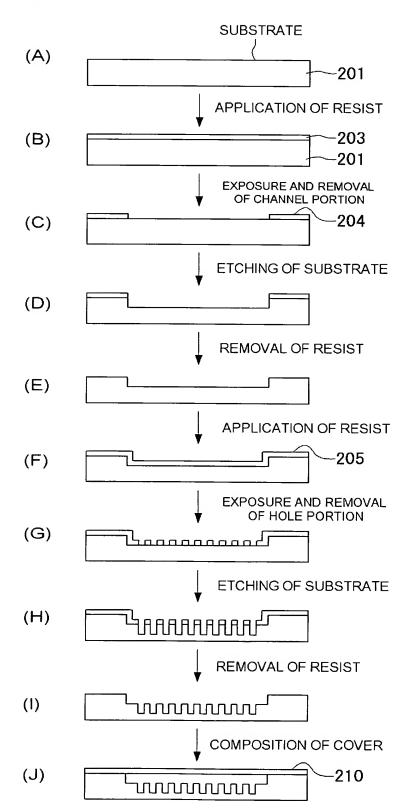


(B)



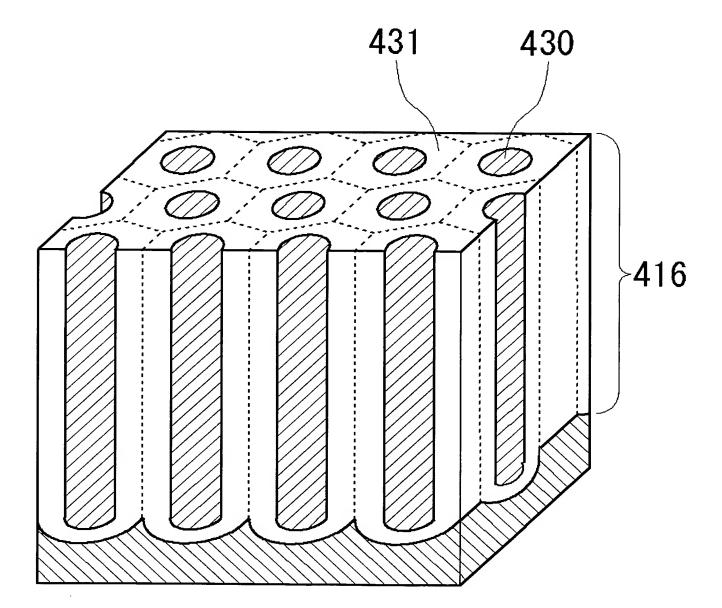
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Fig.72



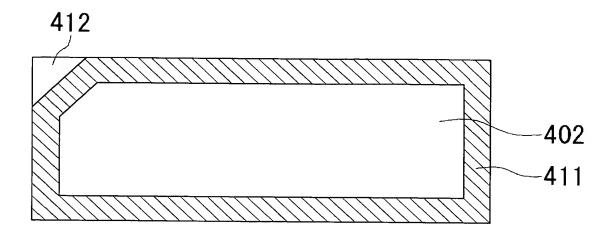
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Fig.73



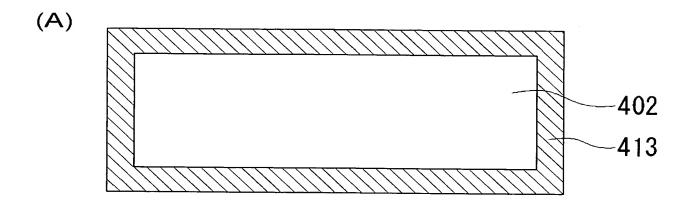
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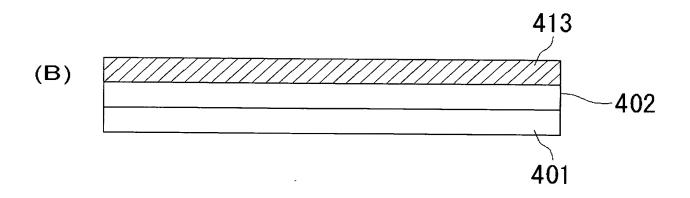
Fig.74



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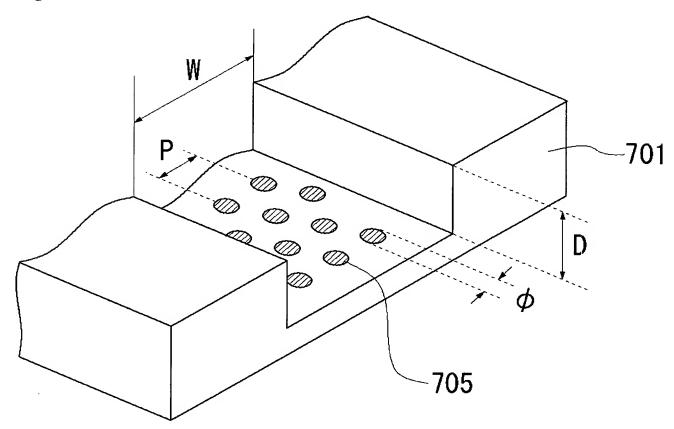
Fig.75





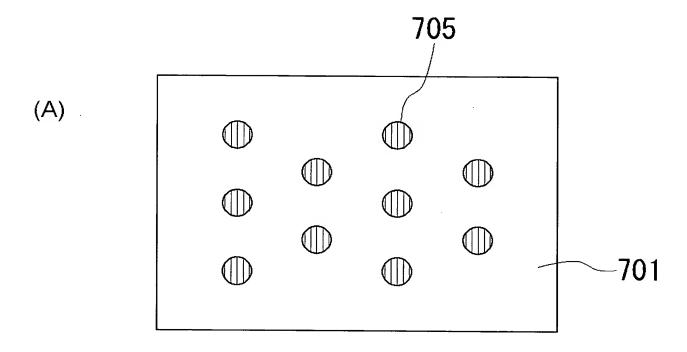
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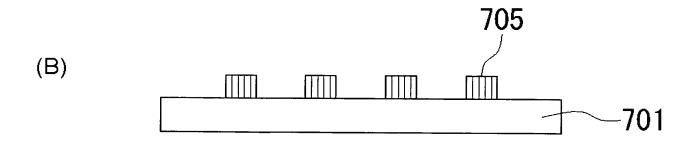
Fig.76



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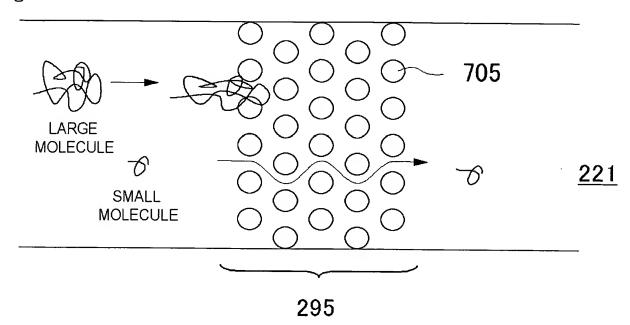
Fig.77





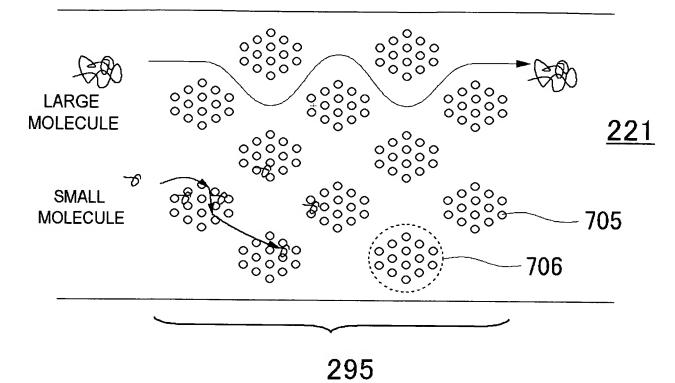
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Fig.78



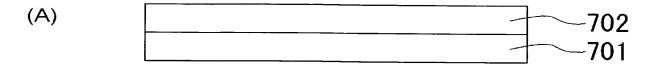
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Fig.79

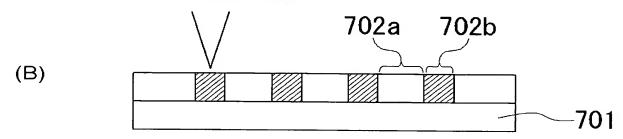


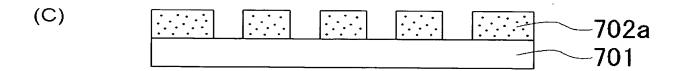
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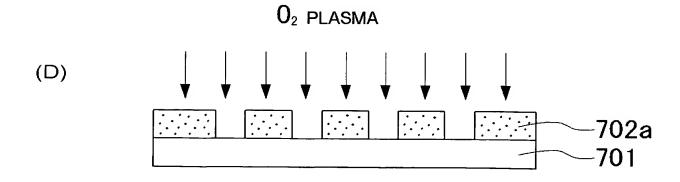




ELECTRON BEAM



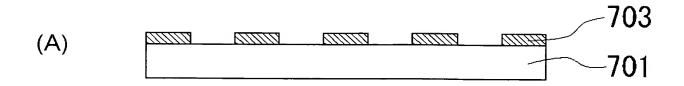


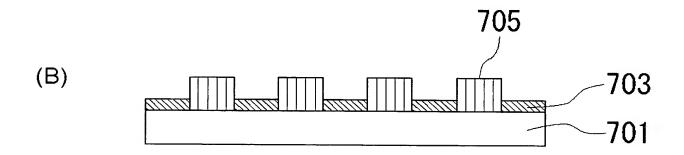


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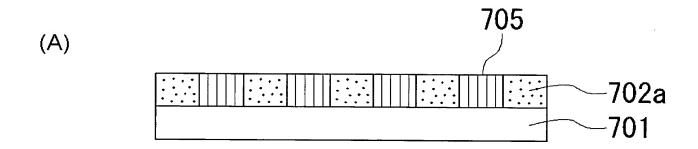
Fig.81

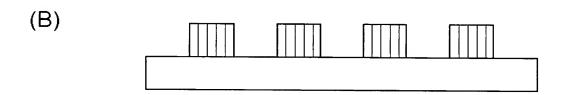




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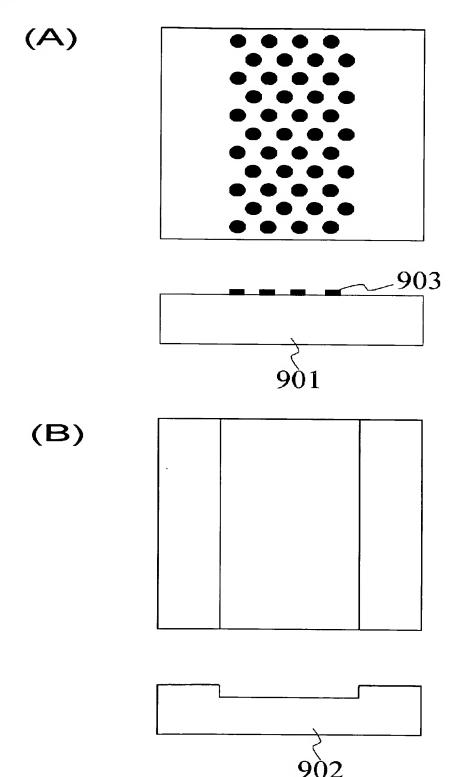
Fig.82





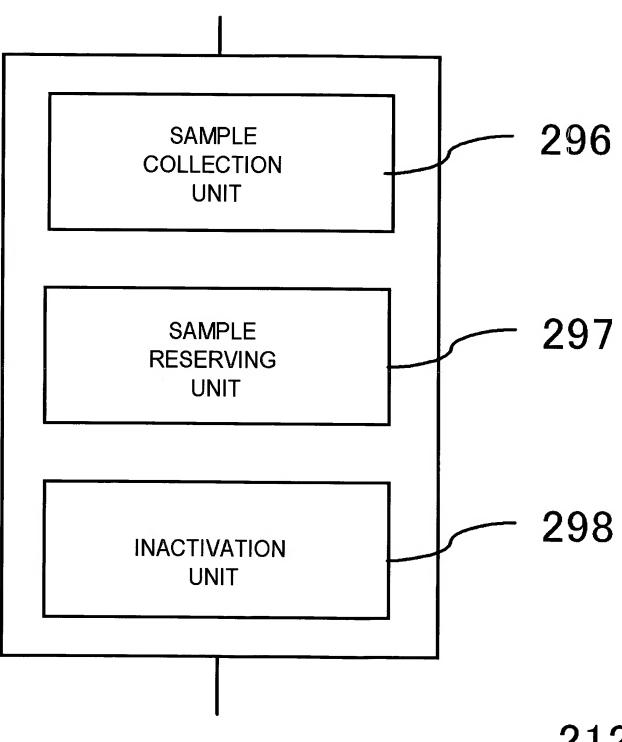
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Fig.83



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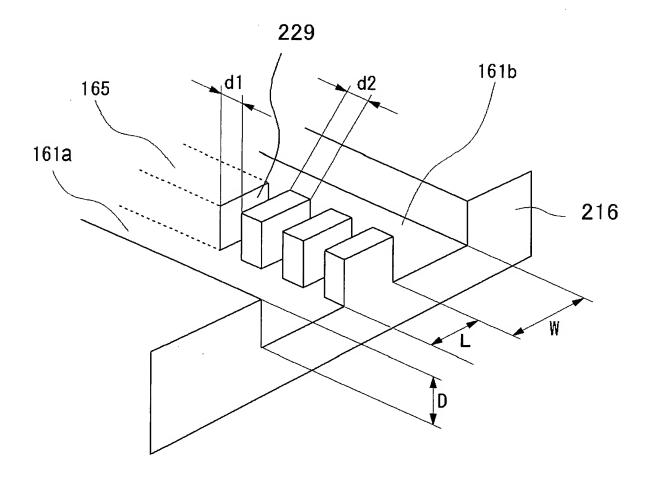
Fig.84



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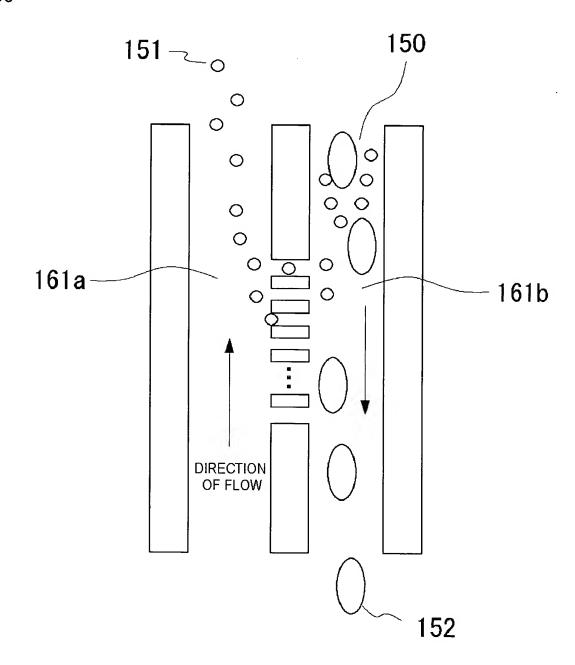
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Fig.85



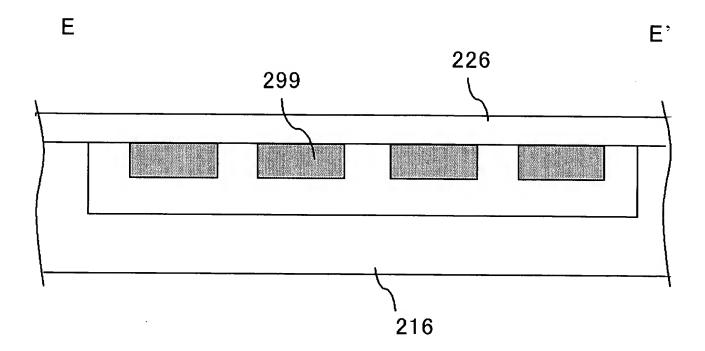
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Fig.86



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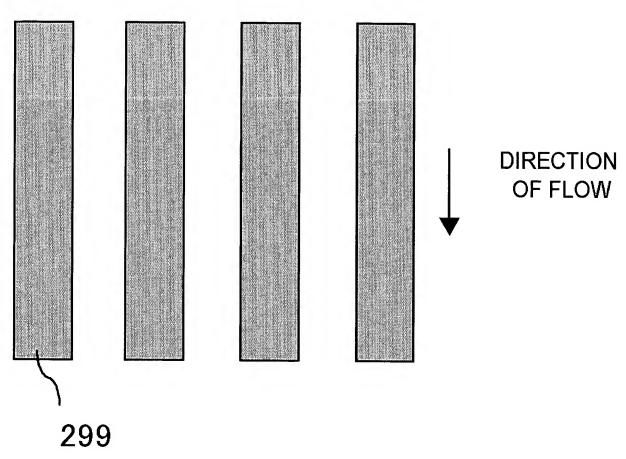
Fig.87



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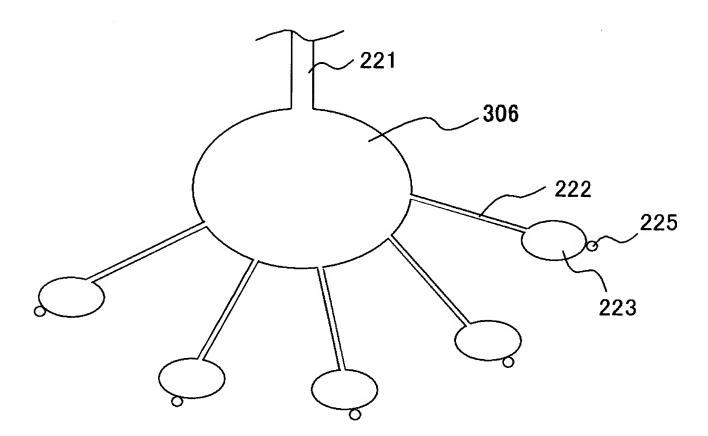
Fig.88



<u>295</u>

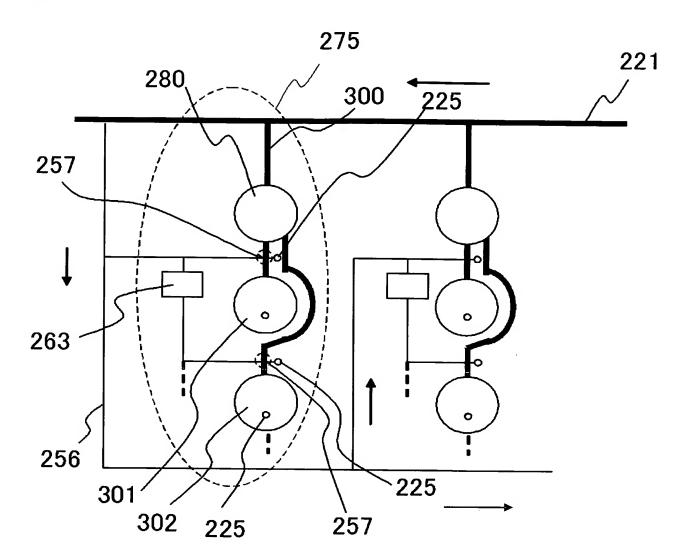
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Fig.89



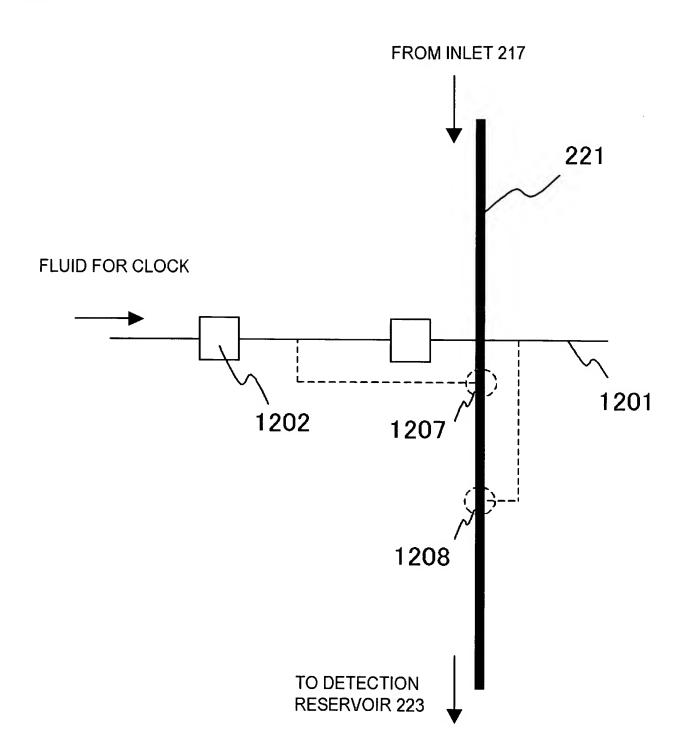
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Fig.90



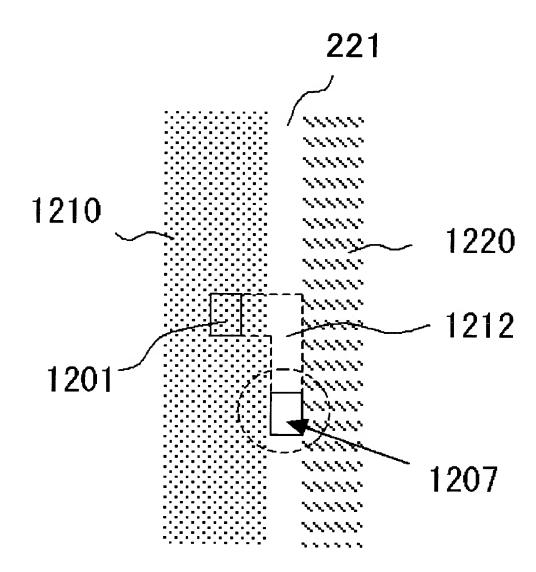
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Fig.91



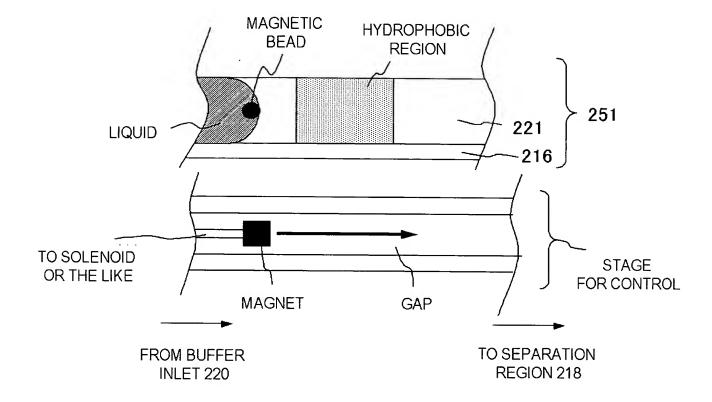
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Fig.92



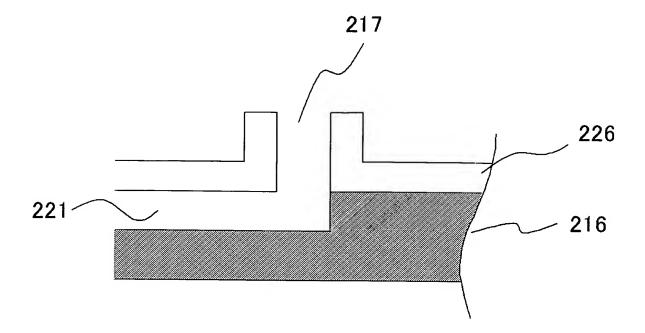
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Fig.93



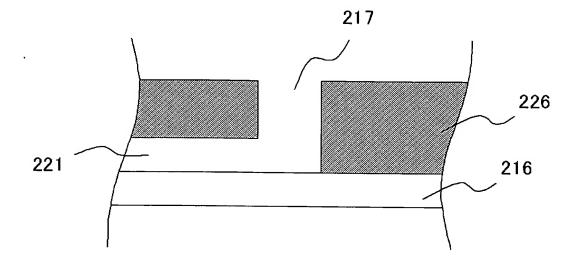
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Fig.94



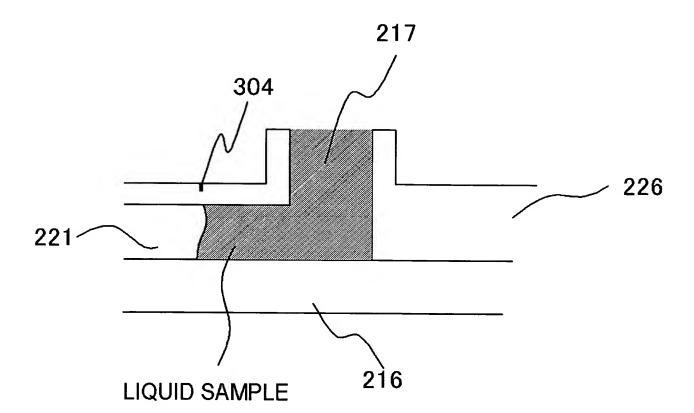
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Fig.95



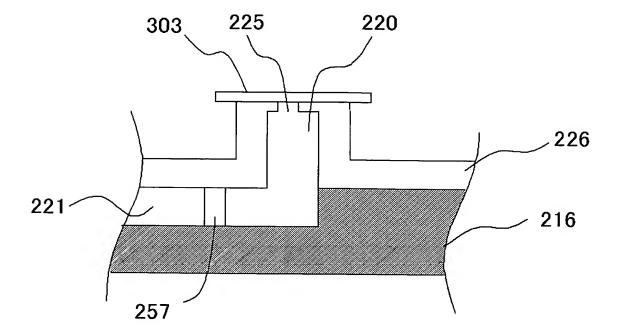
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Fig.96



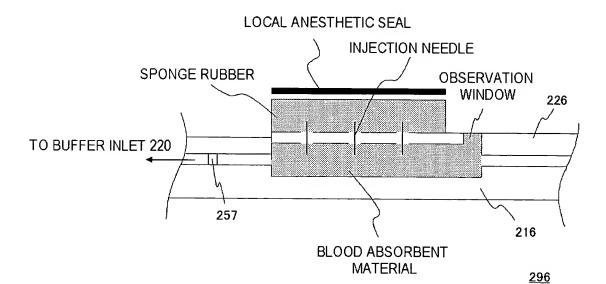
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Fig.97



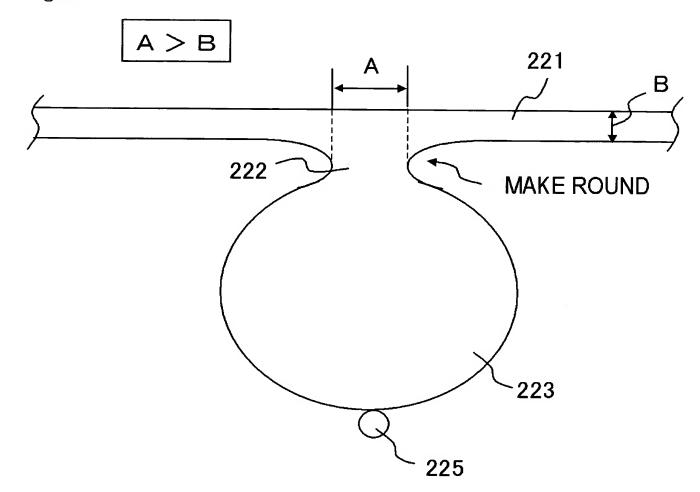
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Fig.98



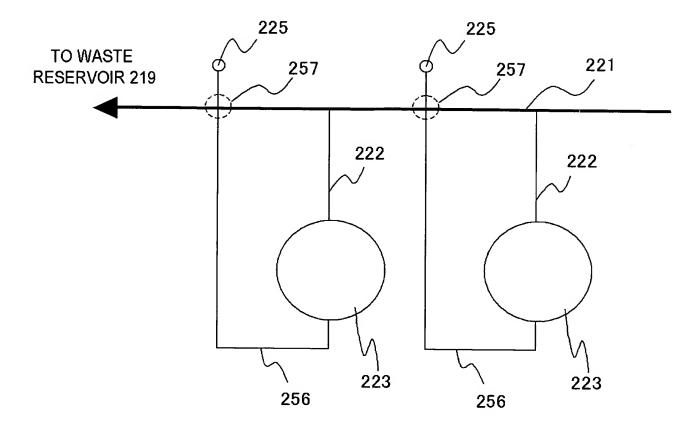
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Fig.99



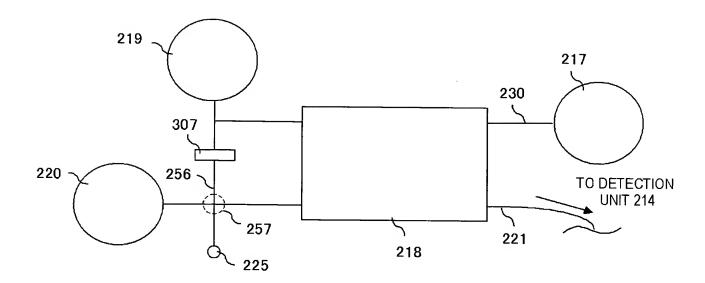
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Fig.100



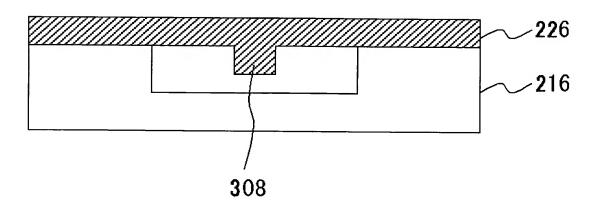
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Fig.101



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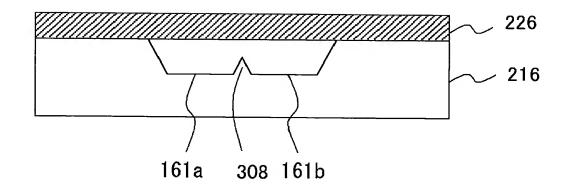
Fig.102

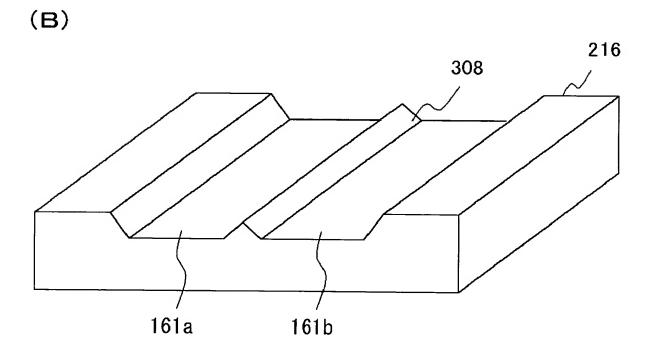


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Fig.103

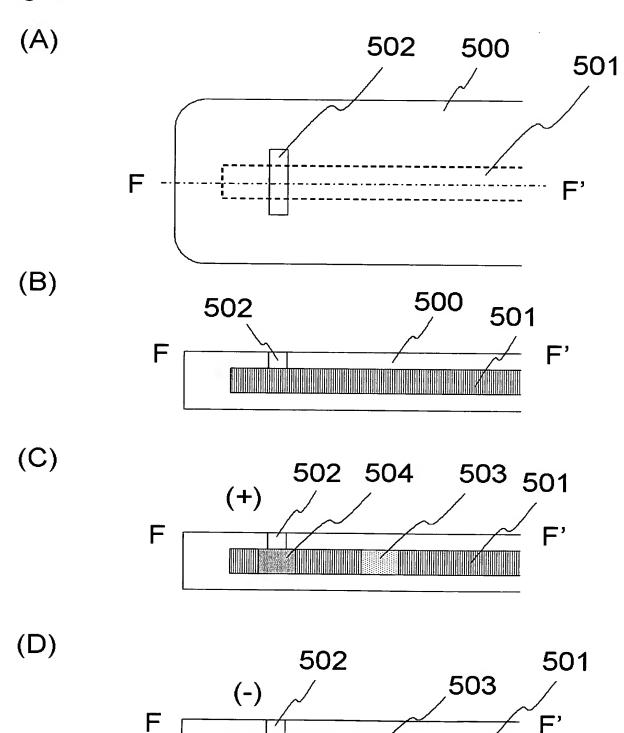
(A)





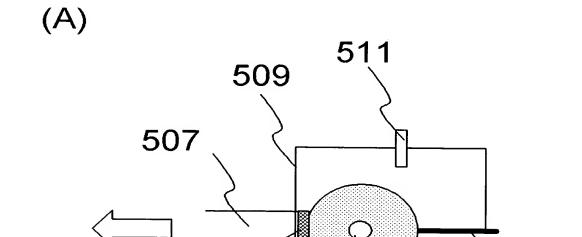
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Fig.105

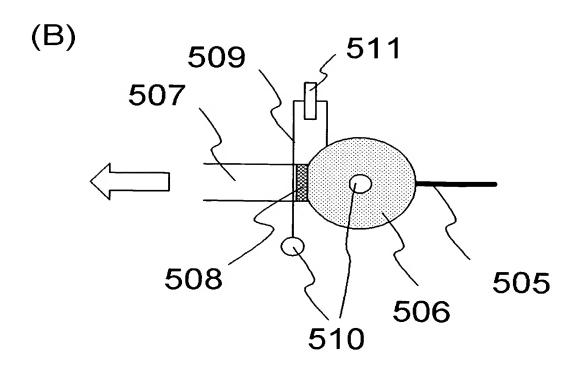


505

506

510

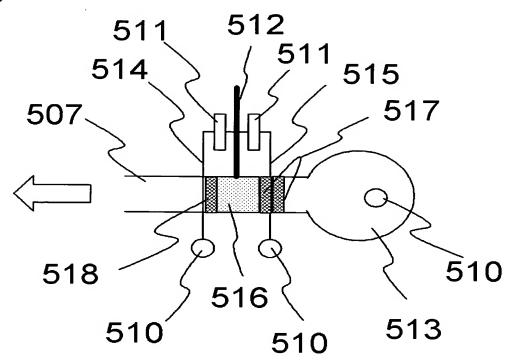
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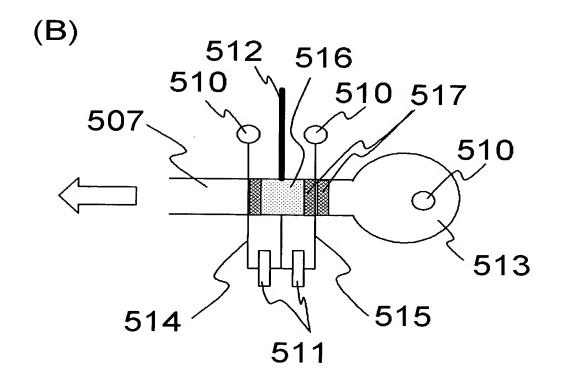


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Fig.106

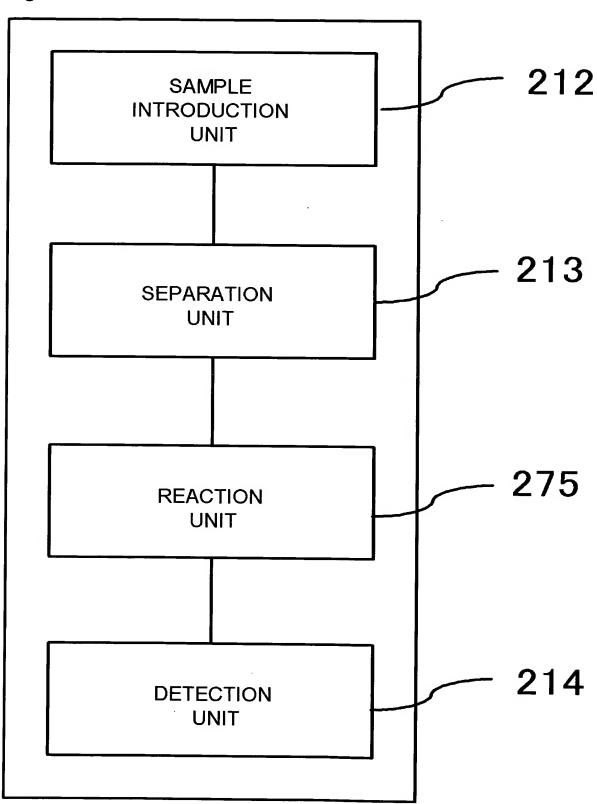
(A)





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Fig.107

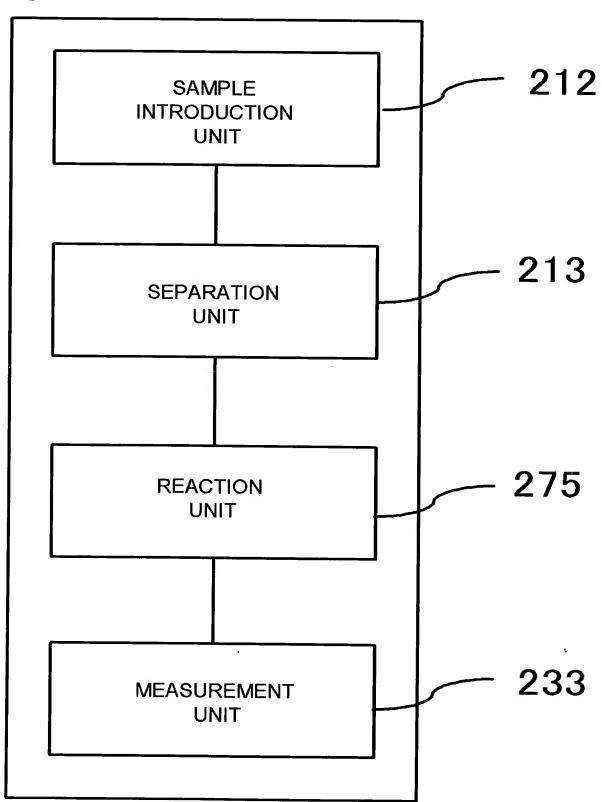


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Fig.108



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